



THE NATIONAL
MEDAL OF SCIENCE

Today we honor [these] remarkable men and women for extraordinary individual accomplishments, from discovering new ways to chart the universe to exploring the internal universe of human nature. We honor them, however, also for their collective achievement. By giving these awards we honor the American passion for discovery that has driven our nation forward from field to factory to the far reaches of cyberspace. This spirit of discovery will lead us into a new century and a new millennium.

This is a moment of great challenge for our nation, a time we must rise to master the forces of change and progress as we move forward to the 21st century.... Benjamin Franklin once said he was sorry to have been born so soon because he would not — and I quote — “have the happiness of what will be known 100 years hence.” It’s hard to imagine what he would think if he were here, 200 years later. I’m sure he’d be filled with awe and pride that the American tradition of innovation he helped to establish is still driving our nation forward....

And who knows what will be known in only 25 years, whom we will be honoring — the researchers who find cures for cancer; scientists who discover life on other planets; the engineers who devise new energy sources to preserve our environment and sustain our economy for generations to come. The discoveries of tomorrow will be possible by the scientists of today, and by our continued commitment to their passionate quest.

President William J. Clinton
National Medal of Science and Technology Awards Ceremony
The White House, December 16, 1997

I

PRESIDENT'S COMMITTEE ON THE NATIONAL MEDAL OF SCIENCE
NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230

February 28, 1998

Dear Colleague:

The President's Committee on the National Medal of Science is accepting nominations for the 1999 Award.

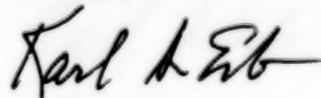
The National Medal of Science was established by the 86th Congress in 1959 as a Presidential Award to be given to individuals "deserving of special recognition by reason of their outstanding contributions to knowledge in the physical, biological, mathematical, or engineering sciences." In 1980 Congress expanded this recognition to include the social and behavioral sciences. The Committee of 12 scientists and engineers is appointed by the President to evaluate the nominees for this Award.

Since its establishment, the National Medal of Science has been awarded to 353 distinguished scientists and engineers whose careers spanned decades of research and development. A list of the recipients from 1962 to the present appears elsewhere in this brochure. There are numerous younger American scientists and engineers, many of them women and minorities, now reaching the point where their contributions are worthy of recognition. The Committee asks for your assistance in identifying them.

The nomination procedures and guidelines, as well as instructions for submitting an electronic nomination, recommendation, or support letter, are detailed in this brochure. Questions concerning the procedures or requests for additional information or nomination forms should be directed to the Committee's Program Manager, Mrs. Susan E. Fannoney, at the above address, or by telephone (703/306-1096). Please note that nominations and supporting information for the 1999 Awards must be postmarked by May 31, 1998.

The Committee greatly appreciates your assistance in this public recognition of the outstanding contributions of our Nation's leading scientists and engineers.

Sincerely yours,



Karl A. Erb
Executive Secretary

I. CRITERIA

The Committee has established the following guidelines for selection of candidates.

- (a) The total impact of an individual's work on the present state of physical, biological, mathematical, engineering or social and behavioral sciences is to be the principal criterion.
- (b) Achievements of an unusually significant nature in relation to the potential effects of such achievements on the development of scientific thought.
- (c) Unusually distinguished service in the general advancement of science and engineering, when accompanied by substantial contributions to the content of science at some time.
- (d) Recognition by peers within the scientific community.
- (e) Contributions to innovation and industry.
- (f) Influence on education through publications, students, etc.
- (g) Must be a U.S. citizen or permanent resident who has applied for citizenship.

II. NOMINATION PROCEDURES AND DEADLINE FOR SUBMISSION

- (a) Nominations remain active for a period of three years, including the year of nomination. After that time, candidates must be renominated with a new nomination package for them to be considered by the Committee.
- (b) Nomination forms are scanned by optical devices. Therefore, if the enclosed form or a facsimile is used, it must be single spaced typewritten using a font no smaller than 12 characters per inch.
- (c) Renominations or additional information on active nominations may be submitted via an updated nomination form. Call (703) 306-1096 to request renomination of the candidate.
- (d) Nominations and renominations must be returned to the address shown on the nomination form and postmarked by May 31, 1998.

III. LETTERS OF SUPPORT FOR NOMINATIONS

- (a) Nominators are responsible for securing three letters supporting the candidate.
- (b) Letters may accompany the nomination form or be sent separately, but in any event must be postmarked by May 31, 1998.
- (c) Letters should only be mailed, faxed, or sent via the World Wide Web (WWW) electronic form (see Section IV). Email does not protect confidentiality and should not be used for this purpose.

IV. ELECTRONIC SUBMISSION OF NOMINATIONS

Nominations may also be submitted electronically via the Internet. Using a World Wide Web (WWW) browser such as Netscape or MS Internet Explorer, access the electronic nomination system at location:

<http://www.fastlane.nsf.gov>

V. INQUIRES:

For further information concerning nominations, please contact:

Mrs. Susan Fannoney
Program Manager
National Medal of Science Committee
National Science Foundation
4201 Wilson Boulevard, Rm 1225
Arlington, VA 22230
Email: sfannone@nsf.gov
Phone: 703-306-1096
Fax: 703-306-0181

IV

Privileged Information

**NOMINATION FOR
NATIONAL MEDAL OF SCIENCE**

Nominee

Nominator

Name:

Name:

SS#:

Address:

Address:

Telephone:

Telephone:

Biographical Data:

1. Home Address:

Date and place of birth:

Home Telephone:

If naturalized citizen,
please check box: ☐

2. Education:

3. Positions Held:

4. Honors:

Note: If more space is required for any category, please continue under "Additional Comments," page 4.

Nominee: _____

Narrative Statement Describing Nominee's Qualifications for a Medal (additional pages may be used).

Nominee: _____

List of pertinent contributions and/or publications (limit to 20) (additional pages may be used).

Nominee: _____

Proposed Citation (Limit to 1 or 2 sentences)

Additional Comments

Nominee: _____

References: (identify 3 individuals not from the nominee's home institution who will provide letters of support). References **must be requested by the nominator** and can be sent electronically through <http://www.fastlane.nsf.gov>.

Name:

Title:

Address:

Telephone:

Name:

Title:

Address:

Telephone:

Name:

Title:

Address:

Telephone:

Nominator's Signature

Date

Instructions for Nominations:

Completed nominations and letters of support must be postmarked by May 31, 1998 and mailed to the address shown below.

Inquiries about the Medal of Science program should also be addressed to:

Mrs. Susan E. Fannoney
Program Manager
National Medal of Science Committee
National Science Foundation
4201 Wilson Blvd., Room 1225
Arlington, VA 22230
Phone: (703) 306-1096
Fax: (703) 306-0181
Email: sfannone@nsf.gov

NATIONAL MEDAL OF SCIENCE RECIPIENTS 1962-1997

1997

William K. Estes, Harvard University

Darleane C. Hoffman, University of California, Berkeley
Lawrence Berkeley Laboratory

Harold S. Johnston, University of California, Berkeley

Marshall N. Rosenbluth, University of California,
San Diego

Martin Schwarzschild*, Princeton University

James D. Watson, Cold Spring Harbor Laboratory

Robert A. Weinberg, Whitehead Institute for Biomedical
Research and Harvard University

George W. Wetherill, Carnegie Institution of Washington

Shing-Tung Yau, Harvard University

1996

Wallace S. Broecker, Lamont-Doherty Earth Observatory,
Columbia University

Norman Davidson, California Institute of Technology

James L. Flanagan, Rutgers University

Richard M. Karp, University of California, Berkeley and
University of Washington

C. Kumar N. Patel, University of California, Los Angeles

Ruth Patrick, Academy of Natural Sciences, Philadelphia

Paul A. Samuelson, Massachusetts Institute of Technology

Stephen Smale, University of California, Berkeley

1995

Thomas R. Cech, University of Colorado

Hans G. Dehmelt, University of Washington

Peter Goldreich, California Institute of Technology

Hermann A. Hais, Massachusetts Institute of Technology

Isabella L. Karle, Naval Research Laboratory

Louis Nirenberg, Courant Institute, New York University

Alexander Rich, Massachusetts Institute of Technology

Roger N. Shepard, Stanford University

1994

Ray W. Clough, University of California, Berkeley

John Cocke, IBM T.J. Watson Research Center

Thomas Eisner, Cornell University

George S. Hammond, Bowling Green State University

Robert K. Merton, Columbia University and
Russell Sage Foundation

Elizabeth F. Neufeld, UCLA School of Medicine

Albert W. Overhauser, Purdue University

Frank Press, National Academy of Sciences

1993

Alfred Y. Cho, AT&T Bell Laboratories

Donald J. Cram, University of California, Los Angeles

Val L. Fitch, Princeton University

Norman Hackerman, The Robert A. Welch Foundation

Martin D. Kruskal, Rutgers University

Daniel Nathans, Johns Hopkins University

Vera C. Rubin, Carnegie Institution of Washington

Salome G. Waelch, Albert Einstein College of Medicine

1992

Eleanor J. Gibson, Cornell University

Allen Newell, Carnegie Mellon University

*Awarded Posthumously

Note: Institutions listed are those with which the recipients were affiliated at the time of the Award.

Calvin F. Quate, Stanford University
 Eugene M. Shoemaker, U.S. Geological Survey
 Howard E. Simmons, Jr., E. I. du Pont de Nemours
 Maxine F. Singer, Carnegie Institution of Washington
 Howard M. Temin, University of Wisconsin
 John R. Whinnery, University of California, Berkeley

1991

Mary Ellen Avery, Harvard Medical School
 Ronald Breslow, Columbia University
 Alberto P. Calderon, The University of Chicago
 Gertrude B. Elion, Burroughs Wellcome Company
 George H. Heilmeyer, Bellcore
 Dudley R. Herschbach, Harvard University
 G. Evelyn Hutchinson*, Yale University
 Elvin A. Kabat, Columbia University
 Robert W. Kates, Brown University
 Luna B. Leopold, University of California, Berkeley
 Salvador E. Luria*, Massachusetts Institute of Technology
 Paul A. Marks, Memorial Sloan-Kettering Cancer Center
 George A. Miller, Princeton University
 Arthur L. Schawlow, Stanford University
 Glenn T. Seaborg, University of California, Berkeley
 Folke K. Skoog, University of Wisconsin
 H. Guyford Steyer, Washington, DC
 Edward C. Stone, California Institute of Technology
 Steven Weinberg, The University of Texas at Austin
 Paul C. Zamecnik, Worcester Foundation for Experimental Biology

1990

Baruj Benacerraf, Harvard Medical School & Dana Farber Cancer Institute
 Elkan R. Blout, Harvard School of Public Health
 Herbert W. Boyer, University of California, San Francisco

George F. Carrier, Harvard University
 Allan M. Cormack, Tufts University
 Mildred S. Dresselhaus, Massachusetts Institute of Technology
 Karl Folkers, The University of Texas at Austin
 Nick Holonyak, Jr., University of Illinois
 Leonid Hurwicz, University of Minnesota
 Stephen C. Kleene, University of Wisconsin
 Daniel E. Koshland, Jr., University of California, Berkeley
 Edward B. Lewis, California Institute Of Technology
 John McCarthy, Stanford University
 Edwin M. McMillan, University of California, Berkeley
 David G. Nathan, The Children's Hospital, Harvard Medical School
 Robert V. Pound, Harvard University
 Roger R.D. Revelle, Scripps Institution of Oceanography
 John D. Roberts, California Institute of Technology
 Patrick Suppes, Stanford University
 E. Donnall Thomas, Fred Hutchinson Cancer Research Center

1989

Arnold O. Beckman, California institute of Technology
 Richard B. Bernstein, University of California, Los Angeles
 Melvin Calvin, University of California, Berkeley
 Harry G. Drickamer, University of Illinois
 Katherine Esau, University of California, Santa Barbara
 Herbert E. Grier, CER Corporation
 Viktor Haraburger, Washington University
 Samuel Karlin, Stanford University
 Philip Leder, Harvard Medical School
 Joshua Lederberg, The Rockefeller University
 Saunders Mac Lane, The University of Chicago
 Rudolph A. Marcus, California Institute of Technology
 Harden M. McConnell, Stanford University

Eugene N. Parker, The University of Chicago

Robert P. Sharp, California Institute of Technology

Donald C. Spencer, Princeton University

Roger W. Sperry, California Institute of Technology

Henry M. Stommel, Woods Hole Oceanographic
Institution

Harland G. Wood, Case Western Reserve University

1988

William O. Baker, AT&T Bell Labs

Konrad E. Bloch, Harvard University

D. Allan Bromley, Yale University

Michael S. Brown, University of Texas Southwestern
Medical Center

Paul C. W. Chu, University of Houston

Stanley N. Cohen, Stanford University School of
Medicine

Elias J. Corey, Harvard University

Daniel C. Drucker, University of Florida

Milton Friedman, The Hoover Institution, Stanford
University

Joseph L. Goldstein, University of Texas Southwestern
Medical Center

Ralph E. Gomory, IBM Corporation

Willis M. Hawkins, Lockheed Corporation

Maurice R. Hilleman, Merck Institute for Therapeutic
Research

George W. Housner, California Institute of Technology

Eric R. Kandel, Howard Hughes Medical Institute,
Columbia University

Joseph B. Keller, Stanford University

Walter Kohn, University of California, Santa Barbara

Norman F. Ramsey, Harvard University

Jack Steinberger, European Center for Nuclear Research

Rosalyn S. Yalow, VA Hospital, Bronx, NY

1987

Phillip H. Abelson, American Association for the
Advancement of Science

Anne Anastasi, Fordham University

Robert Byron Bird, University of Wisconsin

Raoul Bott, Harvard University

Michael E. DeBakey, Baylor College of Medicine

Theodor O. Diener, U. S. Department of Agriculture

Harry Eagle, Albert Einstein College of Medicine

Walter M. Elsasser, Johns Hopkins University

Michael H. Freedman, University of California,
San Diego

William S. Johnson, Stanford University

Har Gobind Khorana, Massachusetts Institute of
Technology

Paul C. Lauterbur, University of Illinois

Rita Levi-Montalcini, Italian National Research Council

George E. Pake, Xerox Corporation

H. Bolton Speed, University of California, Berkeley

George J. Stigler, The University of Chicago

Walter H. Stockmayer, Dartmouth College

Max Tishler, Wesleyan University

James A. Van Allen, University of Iowa

Ernst Weber, Polytechnic Institute of New York

1986

Solomon J. Buchsbaum, Bell Telephone Laboratories

Stanley Cohen, Vanderbilt University

Horace R. Crane, University of Michigan

Herman Feshbach, Massachusetts Institute of Technology

Harry B. Gray, California Institute of Technology

Donald A. Henderson, Johns Hopkins University

Robert Hofstadter, Stanford University

Peter D. Lax, New York University

Yuan T. Lee, University of California, Berkeley

Hans W. Liepmann, California Institute of Technology

T.Y. Lin, T.Y. Lin, International

Carl S. Marvel, University of Arizona

V.B. Mountcastle, Johns Hopkins University

Bernard M. Oliver, NASA Ames Research Center

George E. Palade, Yale University

Herbert A. Simon, Carnegie Mellon University

Joan A. Steitz, Yale University

Frank H. Westheimer, Harvard University

Chen Ning Yang, State University of New York @ Stony Brook

Antoni Zygmund, The University of Chicago

1985

No awards given.

1984

No awards given.

1983

Howard L. Bachrach, Plum Island Animal Disease Center, USDA

Paul Berg, Stanford University Medical Center

E. Margaret Burbidge, University of California, San Diego

Maurice Goldhaber, Brookhaven National Laboratory

Herman H. Goldstine, Institute for Advanced Study

William R. Hewlett, Hewlett-Packard Company

Ronald Hoffman, Cornell University

Helmut E. Landsberg, University of Maryland

George M. Low*, Rensselaer Polytechnic Institute

Walter H. Munk, University of California, San Diego

George C. Pimentel, University of California, Berkeley

Frederick Reines, University of California, Irvine

Wendell L. Roelofs, Cornell University

Bruno B. Rossi, Massachusetts Institute of Technology

Berta Scharer, Albert Einstein College of Medicine

Robert J. Schrieffer, University of Pennsylvania

Isadore M. Singer, University of California, Berkeley

John G. Trump*, Massachusetts Institute of Technology

Richard N. Zare, Stanford University

1982

Philip W. Anderson, Bell Telephone Laboratories

Seymour Benzer, California Institute of Technology

Glenn W. Burton, Coastal Plain Experimental Station, USDA

Mildred Cohn, University of Pennsylvania School of Medicine

E. Albert Cotton, Texas A&M University

Edward H. Heinemann, General Dynamics Corporation

Donald L. Katz, University of Michigan

Yoichiro Nambu, Enrico Fermi Institute of Nuclear Studies

Marshall H. Stone, University of Massachusetts

Gilbert Stork, Columbia University

Edward Teller, Hoover Institute on War, Peace, and Revolution, Stanford University

Charles H. Townes, University of California, Berkeley

1981

Philip Handler, National Academy of Sciences

1980

No Awards given.

1979

Robert H. Burris, University of Wisconsin

Elizabeth C. Crosby, University of Michigan

Joseph L. Dool, University of Illinois

Richard P. Feynman, California Institute of Technology

Donald E. Knuth, Stanford University

Arthur Kornberg, Stanford University School of
Medicine

Emmett N. Leith, University of Michigan

Herman F. Mark, Polytechnic Institute of Brooklyn

Raymond D. Mindlin, Columbia University

Robert N. Noyce, Intel Corporation

Severo Ochoa, New York University

Earl R. Parker, University of California, Berkeley

Edward M. Purcell, Harvard University

Simon Ramo, Thompson, Ramo, Wooldridge, Inc.

John H. Sinfelt, ESSO Research & Engineering
Company

Lyman Spitzer, Jr., Princeton University

Earl R. Stadtman, National Institutes of Health

Ledyard G. Stebbins, University of California, Davis

Paul A. Weiss, Rockefeller University

Victor F. Weisskopf, Massachusetts Institute of
Technology

1978

No Awards given.

1977

No Awards given.

1976

Morris Cohen, Massachusetts Institute of Technology

Kurt O. Friedrichs, New York University

Peter C. Goldmark, Goldmark Communications Corp.

Samuel A. Goudsmit, University of Nevada

Roger C.L. Guillemin, Salk Institute of Biological
Studies

Herbert S. Gutowsky, University of Illinois

Erwin W. Mueller*, Pennsylvania State University

Keith R. Porter, University of Colorado at Boulder

Efraim Racker, Cornell University

Frederick D. Rossini, Rice University

Verner E. Suomi, University of Wisconsin

Henry Taube, Stanford University

George F. Uhlenbeck, Rockefeller University

Hassler Whitney, Princeton University

Edward O. Wilson, Harvard University

1975

John Backus, IBM

Manson Benedict, Massachusetts Institute of Technology

Hans A. Bethe, Cornell University

Shiung-shen Chern, University of California, Berkeley

George B. Dantzig, Stanford University

Hallowell Davis, Central Institute for the Deaf,
Washington University

Paul Gyorgy*, University of Pennsylvania Medical
School

Sterling Hendricks, U. S. Department of Agriculture

Joseph Hirschfelder, University of Wisconsin

William H. Pickering, California Institute of Technology

Lewis H. Sarett, Merck, Sharp & Dohme Research Lab

Frederick E. Terman, Stanford University

Orville A. Vogel, Washington State University

Werner von Braun, National Aeronautics & Space
Administration

E. Bright Wilson, Harvard University

Chein-Shiung Wu, Columbia University

1974

Nicolaas Bloembergen, Harvard University

Britton Chance, University of Pennsylvania

Erwin Chargaff, Columbia University

Paul John Flory, Stanford University

William A. Fowler, California Institute of Technology

Kurt Godel, Institute for Advanced Study

Rudolf Kompfner, Stanford University

James V. Neel, University of Michigan Medical School

Linus Pauling, Stanford University

Ralph B. Peck, University of Illinois

K.S. Pitzer, University of California, Berkeley

James A. Shannon, Rockefeller University

Abel Wolman, Johns Hopkins University

1973

Daniel I. Arnon, University of California, Berkeley

Carl Djerassi, Stanford University

Harold E. Edgerton, Massachusetts Institute of Technology

William M. Ewing, The Marine Institute, The University
of Texas Medical Branch

Arie J. Haagen-Smit, California Institute of Technology

Vladimir Haensel, Universal Oil Products Company

Frederick Seitz, Rockefeller University

Earl W. Sutherland, University of Miami

John W. Tukey, Princeton University

Richard T. Whitcomb, Langley Research Center

Robert R. Wilson, Fermi National Accelerator Laboratory

1972

No Awards given.

1971

No Awards given.

1970

Richard D. Brauer, Harvard University

Robert H. Dicke, Princeton University

Barbara McClintock, Carnegie Institution of Washington

George E. Mueller, General Dynamics Corporation

Albert B. Sabin, Weizmann Institute of Science

Allan R. Sandage, California Institute of Technology

John C. Slater, University of Florida

John A. Wheeler, Princeton University

Saul Winstein*, University of California, Los Angeles

1969

Herbert C. Brown, Purdue University

William Feller*, Princeton University

Robert J. Huebner, National Cancer Institute

Jack S. C. Kilby, Texas Instruments, Inc.

Ernst Mayr, Harvard University

Wolfgang K.H. Panofsky, Stanford University

1968

Horace A. Barker, University of California, Berkeley

Paul D. Bartlett, Harvard University

Bernard B. Brodie, National Institutes of Health

Detlev W. Bronk, Rockefeller University

John P. Eckert, Sperry Rand Corporation

Herbert Friedman, Naval Research Laboratory

Jay L. Lush, Iowa State University

Nathan M. Newmark, University of Illinois

Jerzy Neyman, University of California, Berkeley

Lars Onsager, Yale University

Burrhus F. Skinner, Harvard University

Eugene P. Wigner, Princeton University

1967

Jesse W. Beams, University of Virginia

A. Francis Birch, Harvard University

Gregory Breit, Yale University

Paul J. Cohen, Stanford University

Kenneth S. Cole, National Institutes of Health

Louis P. Hammett, Columbia University

Harry F. Harlow, University of Wisconsin

Michael Heidelberger, New York University

George B. Kistiakowsky, Harvard University
Edwin Herbert Land, Polaroid Corporation
Igor I. Sikorsky, Sikorsky Aircraft Division
Alfred H. Sturtevant, California Institute of Technology

1966

Jacob Bjerknes, University of California, Los Angeles
Subrahmanyan Chandrasekhar, The University of Chicago
Henry Eyring, University of Utah
E. F. Knipling, U.S. Department of Agriculture
Fritz A. Lipmann, Rockefeller University
John W. Milnor, Princeton University
William C. Rose, University of Illinois
Claude E. Shannon, Massachusetts Institute of Technology
J. H. Van Vleck, Harvard University
Sewall Wright, University of Wisconsin
Vladimir K. Zworykin, Radio Corporation of America

1965

John Bardeen, University of Illinois
Peter J. W. Debye, Cornell University
Hugh L. Dryden*, National Aeronautics & Space Administration
Clarence L. Johnson, Lockheed Aircraft Corporation
Leon M. Lederman, Columbia University
Warren K. Lewis, Massachusetts Institute of Technology
Francis P. Rous, Rockefeller University
William W. Rubey, University of California, Berkeley
George G. Simpson, Harvard University
Donald D. Van Slyke, Brookhaven National Labs
Oscar Zariski, Harvard University

1964

Roger A. Jans, University of Illinois
Othmar H. Ammann, Ammann & Whitney
Theodosius Dobzhansky, Rockefeller University
Charles S. Draper, Massachusetts Institute of Technology
Solomon Lefschetz, Princeton University
Neal E. Miller, Yale University
Harold M. Morse, Institute of Advanced Studies
Marshall W. Nirenberg, National Institutes of Health
Julian Schwinger, Harvard University
Harold C. Urey, University of California, San Diego
Robert B. Woodward, Harvard University

1963

Luis W. Alvarez, University of California, Berkeley
Vannevar Bush, Carnegie Institution of Washington
John R. Pierce, Bell Telephone Laboratories
Cornelis van Niel, Stanford University
Norbert Wiener, Massachusetts Institute of Technology

1962

Theodore Von Karman, California Institute of Technology

The President's Committee on the
National Medal of Science

Bruce Alberts*, President, National Academy of Sciences

Kenneth Arrow, Joan Kenney Professor of Economics Emeritus,
Stanford University

Alfred Y. Cho, Director, Semiconductor Research Laboratory,
Lucent Technologies, Bell Laboratories

Elsa Garmire, Professor and Dean Emeritus, Thayer School of Engineering
Dartmouth College

John H. Gibbons*, Assistant to the President for Science & Technology
and Director, Office of Science and Technology Policy

Susan L. Graham, Chancellor's Professor of Computer Science,
University of California, Berkeley

Arthur L. Jaffe, Landon T. Clay Professor of Mathematics & Theoretical Science,
Harvard University

Mario J. Molina, Institute Professor, Massachusetts Institute of Technology

Joan A. Steitz, Henry Ford II Professor of Molecular Biophysics and Biochemistry,
Yale University School of Medicine

Robert Schrieffer, University Eminent Scholar Professor of the State of Florida
University System, National High Magnetic Field Laboratory, Florida State University

(Four Vacancies)

Karl A. Erb
Executive Secretary

Susan E. Fannoney
Program Manager

*Member, ex officio

PRIVACY ACT AND PUBLIC BURDEN STATEMENTS

The information requested on the application materials is solicited under the authority of the National Science Foundation Act of 1950, as amended. It will be used in connection with the selection of qualified applicants and may be disclosed to qualified reviewers and staff assistants as part of the review process, and to government contractors as necessary to complete assigned work. Disclosure may be made of awardees' names, home institutions, and description of biographical and background information for public information purposes. See Systems of Records, NSF-12, "Fellowships and Other Awards," 63 Federal Register 265 (January 5, 1998). Submission of the information is voluntary; however, failure to provide full and complete information may reduce the possibility of receiving an award.

The public reporting burden for this collection of information is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

Gail A. McHenry
Reports Clearance Officer
Information Dissemination Branch, DAS
National Science Foundation
Arlington, VA 22230

Requests for publications should be addressed to:

NSF Publication Clearinghouse
P.O. Box 218
Jessup, MD 20794-0218
Phone: 301-947-2722
Fax: None
Email: pubs@nsf.gov

The National Science Foundation has TDD (Telephonic Device for the Deaf) capability, which enables individuals with hearing impairment to communicate with the Foundation about NSF programs, employment, or general information. To access NSF TDD dial (703) 306-0090; for FIRS, 1-800-877-8339.